

FIG. 11

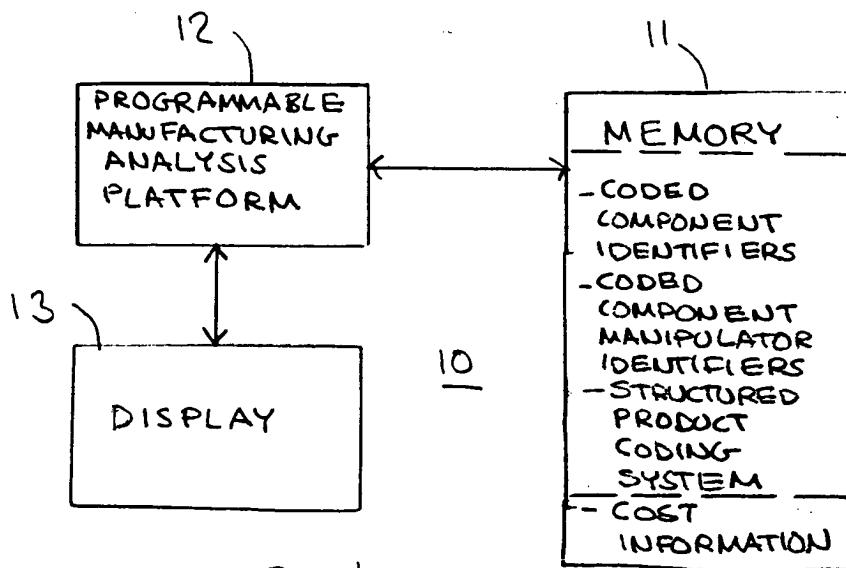
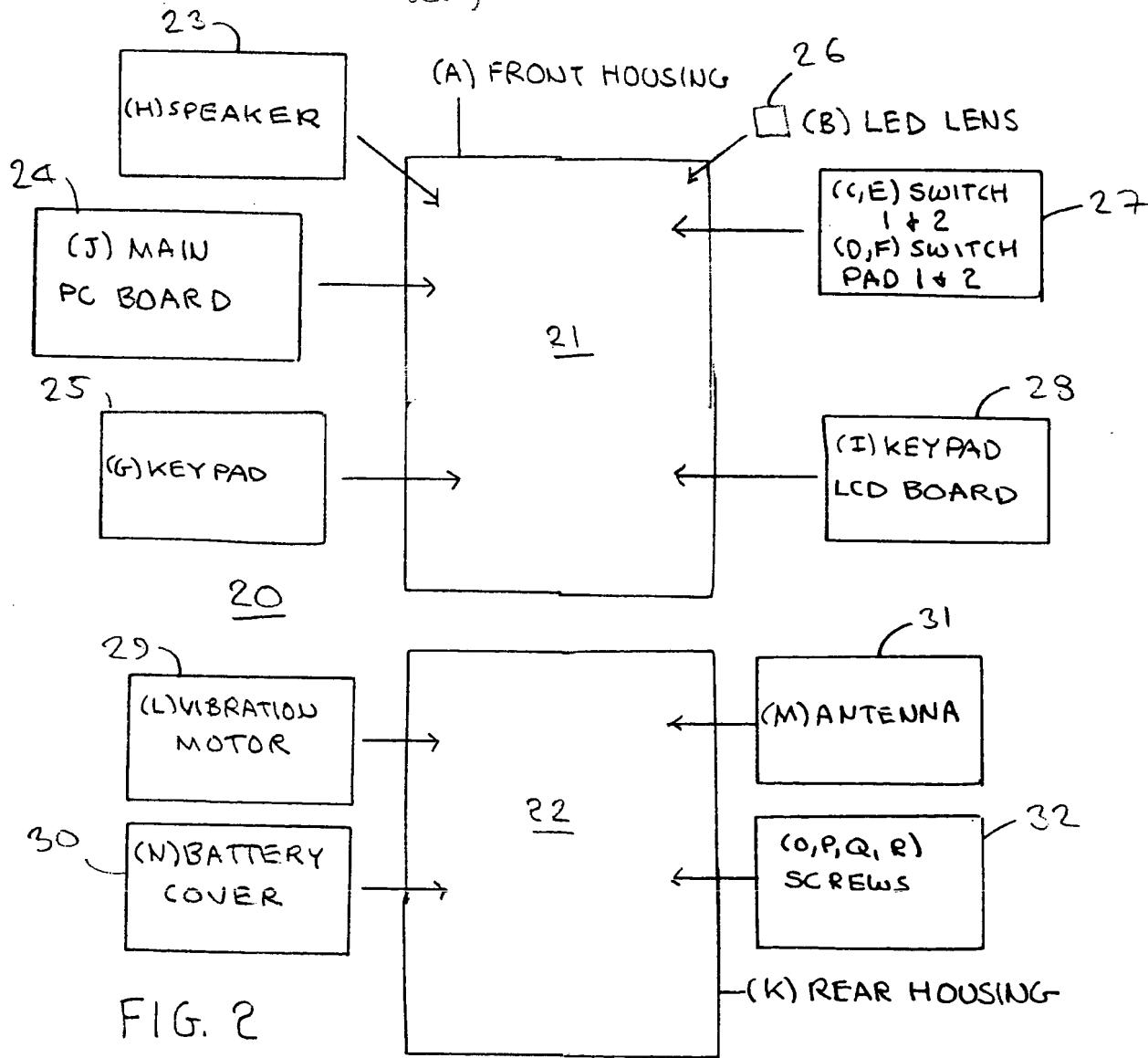
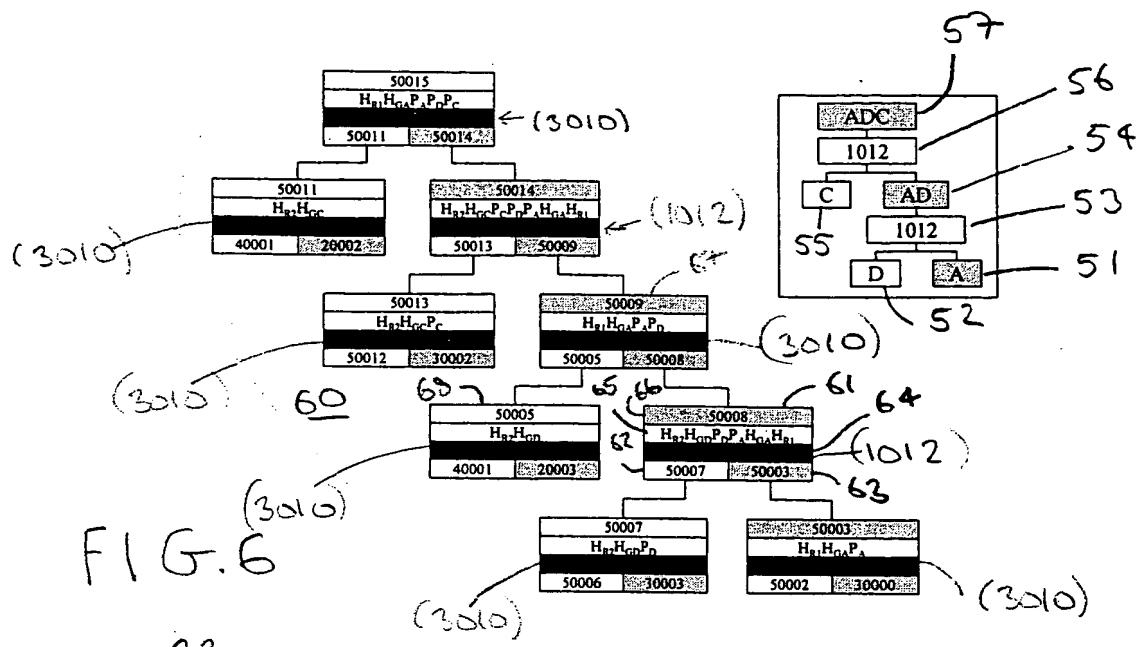


FIG. 1



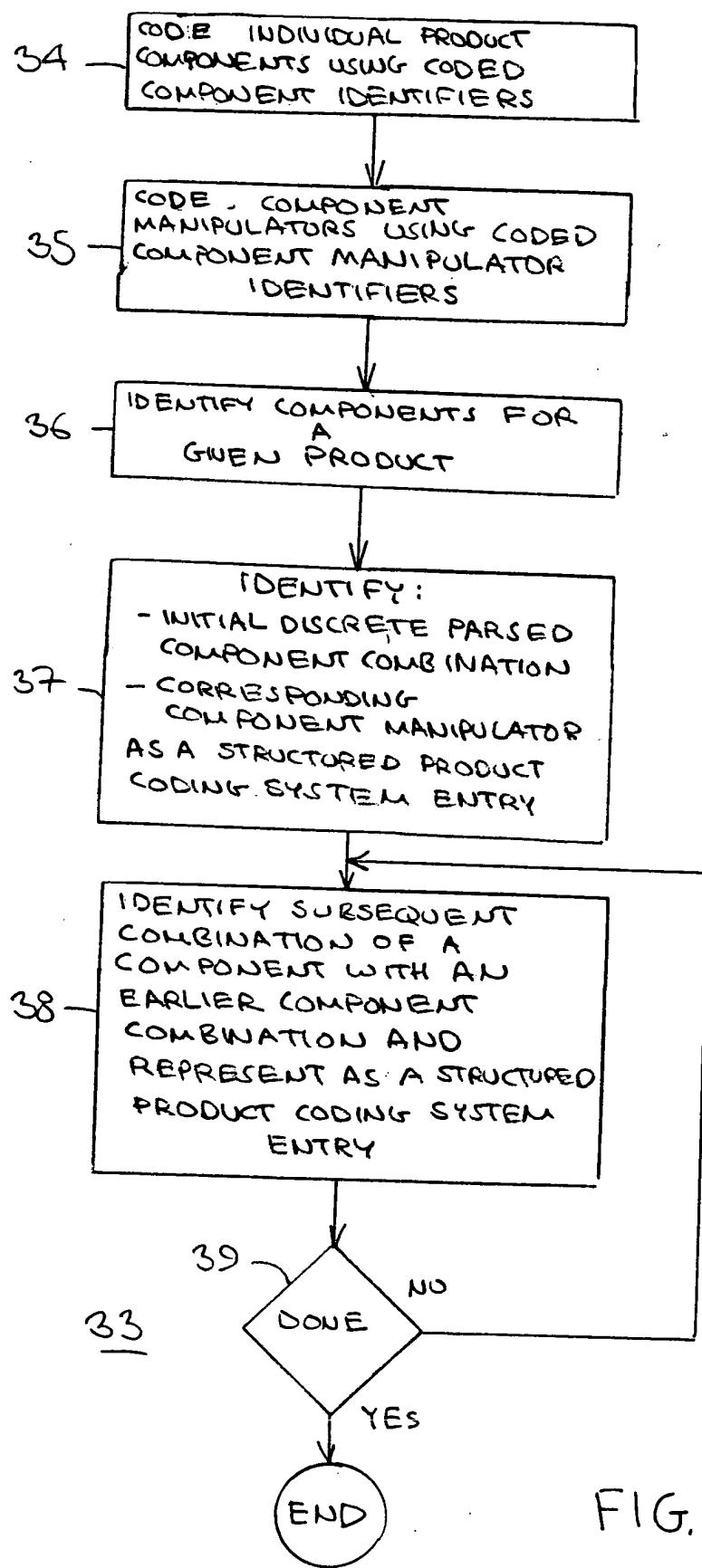


FIG. 3

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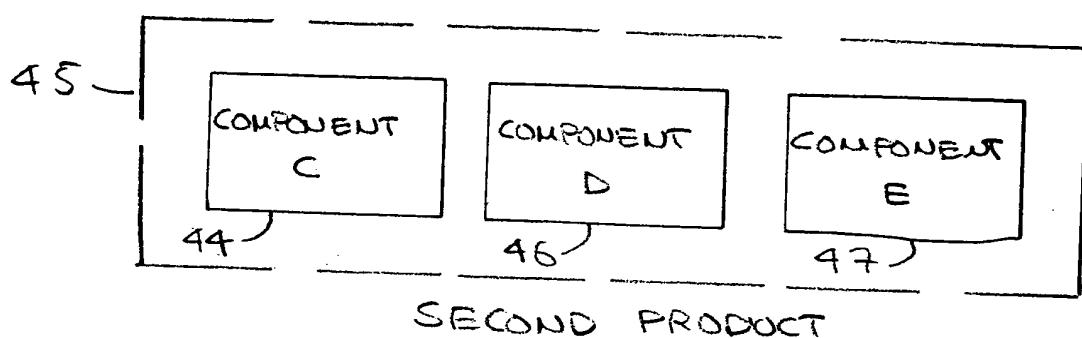
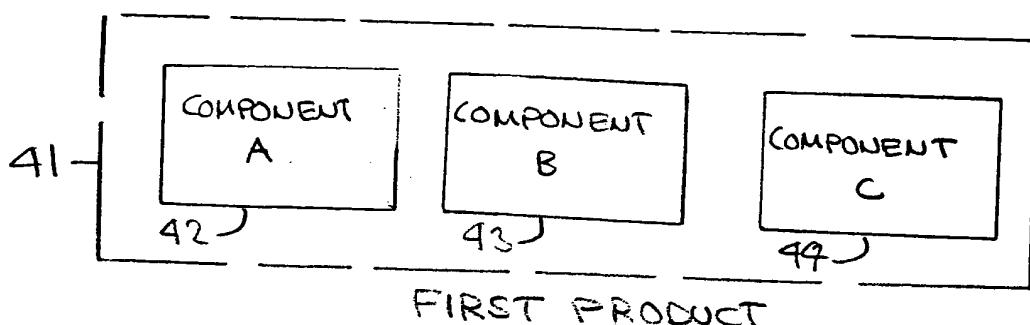


FIG. 4

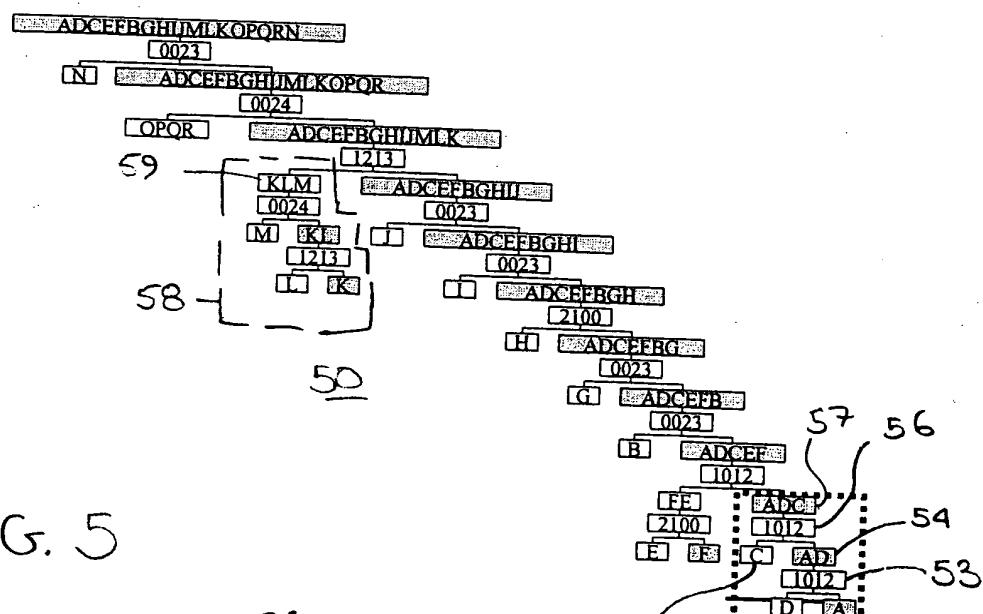


FIG. 5

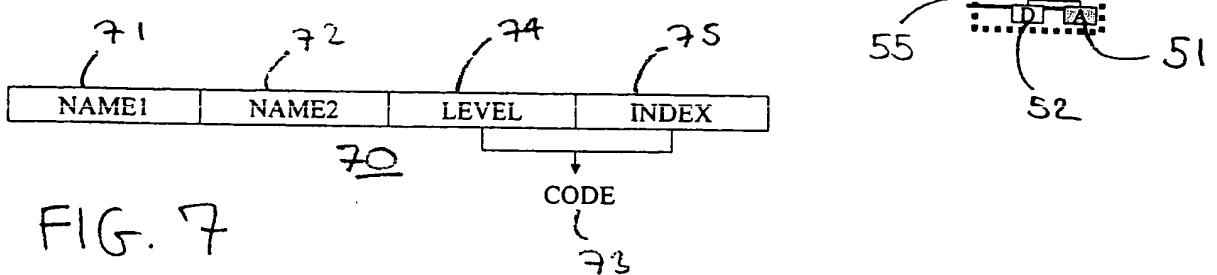


FIG. 7

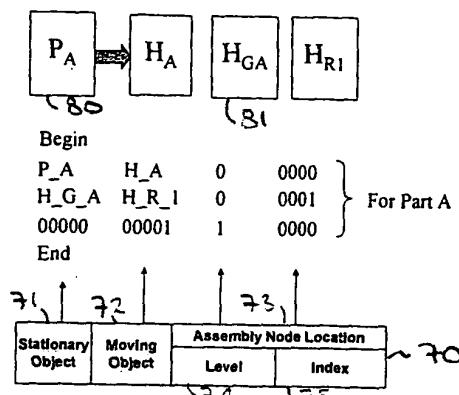


FIG. 8

| Name | Stationary_Part | | Moving_Part | | New_Part | | SACS_Code | SACS_Operation | Assen_Tree_Level | Assembly_Disassembly_Bldg_Cost |
|----------------------------------|-----------------|-------|-------------|-------|----------|-------|-----------|----------------|------------------|--------------------------------|
| | Type | Index | Type | Index | Type | Index | | | | |
| AGAINST_FIT | NA | NA | NA | NA | 0000 | 0000 | 0023 | NA | NA | A/D/0023 |
| SCREW_FIT | NA | NA | NA | NA | 0000 | 0001 | 0023 | NA | NA | A/D/0023 |
| Simple Part Mating Operations... | NA | NA | NA | NA | 0000 | ... | ... | NA | NA | A/D... |
| SPH AGAINST | NA | NA | NA | NA | 0000 | 0018 | 2300 | NA | NA | A/D/2300 |
| P_0 | NA | NA | NA | NA | 0001 | 0000 | NA | NA | NA | ... |
| P_1 | NA | NA | NA | NA | 0001 | 0001 | NA | NA | NA | ... |
| P_N | NA | NA | NA | NA | 0001 | N | NA | NA | NA | ... |
| ... | NA | NA | NA | NA | ... | ... | ... | NA | NA | ... |
| H_G_0 | NA | NA | NA | NA | 0002 | 0000 | 3011 | NA | NA | A/D/3011 |
| H_G_N | NA | NA | NA | NA | 0002 | N | ... | NA | NA | A/D... |
| H_0 | NA | NA | NA | NA | 0003 | 0000 | 3010 | NA | NA | A/D/3010 |
| H_N | NA | NA | NA | NA | 0003 | N | ... | NA | NA | A/D... |
| H_R_0 | NA | NA | NA | NA | 0004 | 0000 | 3010 | NA | NA | A/D/3010 |
| H_R_N | NA | NA | NA | NA | 0004 | N | ... | NA | NA | A/D... |
| ... | NA | NA | NA | NA | ... | ... | ... | NA | NA | A/D... |
| P_O_H_0 | 0001 | 0000 | 0003 | 0000 | 0005 | 0000 | 3010 | + | 0 | A3010 |
| H_G_O_H_R_0 | 0002 | 0000 | 0004 | 0000 | 0005 | 0001 | 3011 | + | 0 | A3011 |
| H_G_P_O_H_R_G_O_H_R_0 | 0005 | 0000 | 0005 | 0001 | 0005 | 0002 | 3011 | + | 1 | A3011 |
| H_O_P_O_H_R_G_O_H_R_0 | 0003 | 0000 | 0005 | 0002 | 0005 | 0003 | 3010 | - | 2 | D3010 |
| Additional modules... | ... | ... | ... | ... | 0005 | ... | ... | ... | ... | A/D |

FIG. 9

1d

| | | | |
|----------|-------|---|---|
| 100 | | | |
| P_A | H_A | 0 | 0 |
| H_G_A | H_R_1 | 1 | 1 |
| 00 | 01 | | |
| END | | | |
| BEGIN | | | |
| P_B | H_B | 0 | 0 |
| H_G_B | H_R_2 | 0 | 1 |
| 00 | 01 | | |
| END | | | |
| BEGIN | | | |
| P_C | H_C | 0 | 0 |
| H_G_C | H_R_2 | 0 | 1 |
| 00 | 01 | | |
| END | | | |
| BEGIN | | | |
| P_D | H_D | 0 | 0 |
| H_G_D | H_R_2 | 0 | 1 |
| 00 | 01 | | |
| END | | | |
| | | | |
| BEGIN | | | |
| H_S_OPQR | H_R_2 | 0 | 0 |
| P_P | 00 | 1 | 0 |
| END | | | |
| BEGIN | | | |
| H_S_OPQR | H_R_2 | 0 | 0 |
| P_Q | 00 | 1 | 0 |
| END | | | |
| BEGIN | | | |
| H_S_OPQR | H_R_2 | 0 | 0 |
| P_R | 00 | 1 | 0 |
| END | | | |

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FIG. 10